



# **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

(Use several sheets if necessary)

Attorney Docket No.:  
**8022-1080**

Application No.:

Applicant:  
**Morio TAKAHASHI**

Filing Date:

**Group Art Unit:**

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
/HT/	2001-255474	9/21/2001	JAPAN				x
	2001-222034	8/17/2001	JAPAN				x
	3204493	10/19/1999	JAPAN				x
	11-201984	7/30/1999	JAPAN				x
	3152182	4/23/1999	JAPAN				x
	2848144	5/21/1997	JAPAN				x
	9-5653	1/10/1997	JAPAN				x
▼	6-148536	5/27/1994	JAPAN				x
	5-34525	2/12/1993	JAPAN				x

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Y. Hashizume et al., "Polymer-assisted silica-based thermo-optic switch", NTT Photonics Laboratories, NTT Corporation, Electron. Lett., 33, pp 194501946, 1997 (2001)
	Y. Hashizume et al., "PLC-type Variable Optical Attenuator with low polarization dependent loss", NTT Photonics Laboratories, PTL, Vol. 4, No. 1, pp. 36-38, Jan. 1992
	Y. Hida et al., "Polymer Waveguide Thermooptic Switch with Low Electric Power Consumption at 1.3 $\mu$ m, IEEE Photonics Technology Letters, Vo. 5, No. 7, July 1993
	M. Horino et al., "Development of Prototype Micromechanical Optical Switch", JSME International Journal, Series C, Vol. 41, No. 4, 1998
	T. Kanie et al., "PLC 2x2", Sumitomo Electric Industries, Ltd., J. Microelectromechanical System, Vol. 6, pp. 277-285, 1997
	Q. Lai et al., "Low-Power Compact 2 X 2 Thermooptic Silica-on-Silicon Waveguide Switch with Fast Response", IEEE Photonics Technology Letters, Vol. 10, No. 5, May 1998
	S. Shoma et al., "Low switching powers silica-based 1.5% delta thermooptic switch with heat insulating trenches", NTT Photonics Laboratories, 2002

**EXAMINER:**

/Hoang Tran/ (10/01/2007)

**DATE CONSIDERED**

A circular stamp from the U.S. Patent and Trademark Office. The outer ring contains the text "U.S. PATENT & TRADEMARK OFFICE" at the top and "SEARCHED", "SERIALIZED", "INDEXED", "FILED" along the bottom. The center of the stamp contains the date "MAY 2005", the number "10", and the identifier "JC98".

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

HJ A. Sugita et al., "Bridge-Suspended Silica-Waveguide Thermo-Optic Phase Shifter and Its Application to Mach-Zehnder Type Optical Switch", The Transactions of the IEICE, Vol. E 73, No. 1, January 1990

**EXAMINER:**

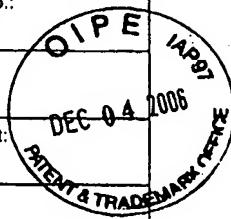
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\* Abstract provided for the Examiner's convenience

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Attorney Docket No.: <b>8022-1080</b>	Application No.: <b>10/516,821</b>
	Applicant: <b>Morio TAKAHASHI</b>	
	Filing Date: <b>December 7, 2004</b>	Group Art Unit: <b>2874</b>



## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/HT/ HORINO, Masaya et al.: "Development of Prototype Micromechanical Optical Switch", JSME International Journal, Ser. C, Volume 41, No. 4, 1998, pp. 978-982.

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Attorney Docket No.: <b>8022-1080</b>	Application No.: <b>NEW NATIONAL PHASE</b>
	Applicant: <b>Morio TAKAHASHI</b>	
	Filing Date: <b>December 7, 2004</b>	Group Art Unit: <b> </b>

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/HT/ HORINO M. et al., Development of Prototype Micromechanical Optical Switch, JSME International Journal, Ser.C., Vol 41, No. 4, 1998, pages 978

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\* English language abstract provided for the Examiner's convenience

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